

Title (en)
GENERATOR

Title (de)
GENERATOR

Title (fr)
GÉNÉRATEUR

Publication
EP 2558689 A2 20130220 (EN)

Application
EP 11718789 A 20110414

Priority
• US 201061425009 P 20101220
• US 39185010 P 20101011
• US 32444610 P 20100415
• IL 2011000305 W 20110414

Abstract (en)
[origin: WO2011128898A2] A generator comprising a heat differential module, a pressure module, a conversion module and a heat recovery arrangement; the heat differential module comprising at least a first, high temperature reservoir configured for containing a work medium at high temperature, a second, low temperature reservoir configured for containing a work medium at low temperature and a heat mechanism being in fluid communication with at least one of the reservoirs. The heat mechanism is configured for maintaining a temperature difference therebetween by providing heat to and/or removing heat from the reservoirs; the pressure module comprises a pressure medium in selective fluid communication with the reservoirs of the heat differential module for alternately performing a heat exchange process with the work medium thereof. The pressure medium is configured to fluctuate between a minimal operative temperature and a maximal operative temperature of the pressure medium corresponding to the high and low temperature of the work medium; the conversion module is in mechanical communication with the pressure medium and configured for utilizing temperature changes of the pressure medium for the production of output energy; the heat recovery arrangement is in thermal communication with the heat differential module and configured for absorbing heat from the pressure medium and providing heat to the heat differential module or to the pressure module.

IPC 8 full level
F01K 25/02 (2006.01); **F01K 27/00** (2006.01)

CPC (source: EP KR RU)
F01K 25/02 (2013.01 - EP KR RU); **F01K 27/00** (2013.01 - KR); **F01K 27/005** (2013.01 - EP)

Citation (search report)
See references of WO 2011128898A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011128898 A2 20111020; WO 2011128898 A3 20120329; AU 2011241835 A1 20121018; AU 2011241835 B2 20161013; BR 112012026138 A2 20170718; CA 2794348 A1 201111020; CA 2794348 C 20180911; CN 102844529 A 20121226; CN 102844529 B 20160803; EP 2558689 A2 20130220; EP 2558689 B1 20191120; JP 2013524101 A 20130617; JP 5890826 B2 20160322; KR 20130079335 A 20130710; RU 2012140040 A 20140520; RU 2604408 C2 20161210

DOCDB simple family (application)
IL 2011000305 W 20110414; AU 2011241835 A 20110414; BR 112012026138 A 20110414; CA 2794348 A 20110414; CN 201180018994 A 20110414; EP 11718789 A 20110414; JP 2013504389 A 20110414; KR 20127026676 A 20110414; RU 2012140040 A 20110414